



GeosSat Microwave

- High Linearity / High Efficiency
- Light Weight & Small Size
- Low Power Consumption 64W Typ.
- Int & Ext Reference Detection & Auto Selection
- LED Status Intication
- 3 Year GeoSat Product Warranty



10W C-Band Block Up-Converter (BUC)

Model: GB40NSF01



| Section | Item | Specification | |
|------------------------------------|--|---|---------------|
| Power Requirement | Voltage | 24VDC or 48 VDC (Optional) | |
| | Power Consumption | 64W typ. | |
| Input Characteristics | Frequency Range | 950 ~ 1825 MHz (Extended) | |
| | LO Frequency | 4.9 GHz | |
| | VSWR | 1.5 : 1 max. @ Input port | |
| | Input Connector | Type N (female) or Type F (female), Optional | |
| Output Characteristics | Frequency Range | 5.85 ~ 6.725 GHz (Extended) | |
| | Power @ 1dB Comp. | 40.0 dBm typ. (10W) | |
| | RF Connector | WG-137 (with Groove) | |
| Transfer Characteristics | Gain nom. | 65 dB typ. | |
| | Gain Flatness | ± 2.0 dB max. @ room temp over full band | |
| | Gain Variation | ±2.0dB over temp. | |
| | Spectral Regrowth | -30 dBc typ. | |
| | External Reference Frequency | External 10MHz @ IF Cable / Power Level : -5 dBm min. | |
| | Internal Ref. Stability | 0.28 ppm | |
| | Phase Noise ▼ | 100Hz | < -70dBc / Hz |
| | | 1kHz | < -80dBc / Hz |
| 10kHz | | < -82dBc / Hz | |
| 100kHz | | < -105dBc / Hz | |
| Spurious | -60 dBc | | |
| IMD (with 2 carries @6db back off) | -30 dBc | | |
| LED Status | Green - The PLL lock status / Off - Loss of lock | | |
| Mechanical | Dimension (mm) | 192(L) X 131(W) X 97(H) mm, exclude connector | |
| | Weight | 2.9kg | |
| Temperature | Operating: -40°C to +60°C | Storage: -45°C to +85°C | |